

American Recovery and Reinvestment Act Energy Programs In Virginia

Virginia Department of Mines,
Minerals and Energy (DMME)

Virginia Department of Environmental Quality
webinar

February 3, 2010



Energy Programs At A Glance

Funds committed or awarded

- **\$15 million: Rebates for energy efficiency retrofits of residential and commercial buildings**
 - First round (\$10 million) launched Oct. 30, sold out Nov. 18
 - Second round (\$5 million) planned for early February
- **\$15 million: Rebates for solar and wind energy systems for individuals, businesses and non-profits**
 - First round (\$12.5 million) launched Nov. 4, sold out Nov. 18
 - Second round (\$2.5 million) planned for early February



Energy Programs At A Glance

Funds committed or awarded

- \$13 million: Grants for solar and wind energy systems for state agencies
 - Awarded through PPEA to DGS, DGIF, VDOC, VCU, VT
- \$10 million: Grants for biomass projects
 - Competitive RFP closed in December
 - Awards announced Jan. ?
- \$9 million: Energy Efficiency and Conservation Block Grants
 - Managed by PDCs
 - Competitive awards to be announced in February



Energy Programs At A Glance

Coming soon

- \$10 million: Economic Development grants for energy businesses
 - U.S. DOE expected to release funds restriction this week
- \$192,000: Southeast Industrial Energy Alliance
 - Funds award expected in February
- \$10 million: Grants for solar and wind energy systems for local governments
 - Expected launch in February
- \$700,000: Technical specialists to work with localities on energy project development – target performance contracting
 - First technical specialist job announcement closed Jan ??



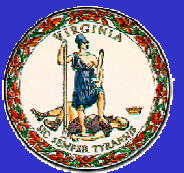
For Business and Industry

- **\$10 million: Grants for energy businesses**
 - Virginia one of 11 states to propose economic development programs with ARRA funds. DOE withheld approval of all for several months, but now is expected to approve, possibly this week.



For Business and Industry

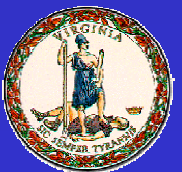
- **\$10 million: Grants for energy businesses**
 - Purpose:
 - Deployment of renewable energy and energy efficiency technologies
 - Provide company access to capital and credit.
 - Expected Outcomes:
 - Contribute to Virginia's energy efficiency and renewable energy portfolio
 - Reduce the rate of growth of energy demand in Virginia.



Business and Industry

- **Southeast Industrial Energy Alliance**

- Goal: Transform the market for industrial energy efficiency in the Southeast.
- Georgia-lead collaboration of Arkansas, Georgia, North Carolina, Tennessee and Virginia.
- States and service delivery organizations provide wide array of energy efficiency activities for industry
 - Service delivery organizations typically are Industrial Assessment Centers - IAC, Manufacturing Extension Partners - MEP, and other management system experts



For Business and Industry

- **Southeast Industrial Energy Alliance**
 - Conduct Energy System Assessments for industry
 - Assist industry to obtain certification under the Superior Energy Performance (SEP) program
 - Provide annual workshops and training for industry
- **Activities have dual purpose**
 - Help industry save energy and implement a sustainable energy program leading to continuous improvement
 - Build service delivery capacity in each state.



For local government

- \$10 million: Grants for solar and wind energy systems for local governments
 - Pre-implementation stage, under review by new administration
- Purpose
 - Deploy solar thermal, solar electric and small wind power systems
- Desired outcomes
 - Demonstrate a geographically, technology and size-diverse portfolio of on-site renewable energy projects
 - Highest potential to educate the public about renewable energy



For local government

- Technical specialists to work with localities on energy project development – focus on performance contracting
 - Program about to launch: First of two technical specialists job announcements closed in late January
- Program extends a mostly state technical assistance program to localities:
 - State agencies (and now local governments) may enter into an energy performance-based contract with an energy services company to significantly reduce energy costs of a facility through one or more energy conservation or operational efficiency measures.



For local government

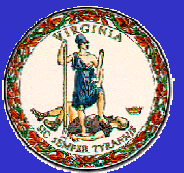
- Energy Performance Contracting is primarily equipment replacement to provide energy savings and installation of building control systems to control energy consumption.
- The process is described on the DMME website, here:
[http://www.dmme.virginia.gov/DE/StateAgencyPr
ogs/performancecontracting.shtml](http://www.dmme.virginia.gov/DE/StateAgencyPr
ogs/performancecontracting.shtml)



For local government

Performance Contracting Process:

- RPF among pool of qualified firms
- “Back of the envelope proposal” from 3+ ESCOs
- Selected ESCO does detailed energy audit
 - Complete evaluation of the energy projects
 - Modeling exercise of savings and timeframe
- Financing
- ESCO becomes construction/project manager
- Measurement and verification of savings



Recovery Act Program Information Sources

State

- <http://dmme.virginia.gov>
- <http://www.dmme.virginia.gov/DE/StateAgencyProgs/performancecontracting.shtml>

Federal

- <http://www.recovery.gov/>
- <http://www.doe.gov/recovery/>



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